

**IN THE CLAIMS**

Please amend claims 1-16 as follows.

A clean copy of the amended claims is included below. A marked up copy of the entire set of claims is included in Appendix A.

Please amend the claims as follows.

- 1 1. (Amended) A device for measuring usage of system resources in a  
 2 communication network, the device comprising:  
 3 means for measuring which radio resources are used by a transmission in a  
 4 system;  
 5 means for measuring which data service units are used for transmission in the  
 6 system; and  
 7 means for measuring which transmission characteristics are used by  
 8 transmission in the system, wherein all of the means for measuring are adapted for  
 9 performing respective collective measurement.
- 1 2. (Amended) The device according to claim 1, wherein said transmission  
 2 characteristics comprise an information transfer capability information.
- 1 3. (Amended) The device according to claim 1, further comprising means for  
 2 evaluating, detecting and identifying respective dependencies of said system resource  
 3 usage by evaluating measurement results of said means for measuring.
- 1 4. Amended) The device according to claim 1, wherein said device is part of a  
 2 switching center of said communication network.

Page 3  
 Docket Number: 975.373USW1  
 Office Action Response

1 5. (Amended) The device according to claim 1, wherein said device is part of a  
2 base-station subsystem of said communication network.

1 6. (Amended) The device according to claim 1, wherein said transmission  
2 contains high speed circuit switched data.

1 7. (Amended) The device according to claim 1, wherein said transmission  
2 contains data which is channel coded according to Enhanced Data rates for GSM  
3 Evolution.

1 8. (Amended) A method for measuring a usage of system resources in a  
2 communication network, the method comprising measuring parameters of  
3 circumstances of a transmission in a system, said parameters being at least radio  
4 resources used by said transmission in a system, data service units used for said  
5 transmission in a system, and transmission characteristics used by said transmission  
6 in a system, wherein said measuring is carried out collectively.

1 9. (Amended) The method according to claim 8, wherein said transmission  
2 characteristics comprise an information transfer capability information.

1 10. (Amended) The method according to claim 8, further comprising detecting  
2 and identifying respective dependencies of system resource usage.

1 11. (Amended) The method according to claim 8, wherein said measurements  
2 are carried out in a switching center of said communication network.

Page 4  
Docket Number: 975.373USW1  
Office Action Response

1 12. (Amended) The method according to claim 8, wherein said measurements  
2 are carried out in a base-station subsystem of said communication network.

C2 1 13. (Amended) The method according to claim 8, wherein said transmission  
2 contains high speed circuit switched data.

1 14. (Amended) The method according to claim 8, wherein said transmission  
2 contains data which is channel coded according to Enhanced Data rates for GSM  
3 Evolution.

Page 5  
Docket Number: 975.373USW1  
Office Action Response

1 15. (Amended) A method for dimensioning system resources for a usage by  
2 transmissions in a system, the method comprising:  
3 determining circumstances of transmissions as well as changes in  
4 circumstances of transmissions in a system;  
5 calculating separately for each transmission circumstance an intensity of data  
6 traffic in a communication network from reservation times of data service units used by  
7 transmissions and from release times of transmissions;  
8 considering a change of a radio channel configuration by updating the  
9 calculation performed separately for each transmission circumstance;  
10 determining dependencies based upon results of measurements,  
11 determinations and calculations;  
12 generating statistics based upon results of measurements, determinations and  
13 calculations ; and  
14 processing generated statistics for dimensioning system resources for usage by  
15 transmissions in the system.

1 16. (Amended) The method according to claim 15, wherein calculations are  
2 performed separately for each parameter corresponding to transmission  
3 circumstances as well as to a change of transmission circumstances.